

Title (en)  
APPARATUS FOR TREATING COMPOUNDS IN A LIQUID

Publication  
**EP 0032070 B1 19830713 (FR)**

Application  
**EP 80401706 A 19801128**

Priority  
FR 7930951 A 19791218

Abstract (en)  
[origin: US4297324A] Apparatus for processing compounds in a liquid, wherein it is constituted by a helical vibrating elevator having a tank with a vertical axis, a fixed cover, an annular helical ramp fixed to the tank wall, means for imparting a reciprocating movement about its axis and in a vertical plane to the ramp, said movement being such that the rotation speed of the ramp in one direction exceeds the rotation speed thereof in the opposite direction, at least one liquid supply pipe in the cover, at least one lateral discharge opening for the liquid in the tank, a supply chute for the compounds carried by the cover and whose axis coincides with that of the tank and a discharge chute for the compounds located at the top of the helical ramp and in an extension of the latter. The apparatus can in particular be used for the continuous dissolving of nuclear fuels in nitric acid during the reprocessing of said fuels.

IPC 1-7  
**B01D 11/02**; **G21C 19/44**

IPC 8 full level  
**G21C 19/46** (2006.01); **B01D 11/02** (2006.01); **G21C 19/38** (2006.01); **G21C 19/44** (2006.01)

CPC (source: EP US)  
**B01D 11/0261** (2013.01 - EP US); **G21C 19/38** (2013.01 - EP US); **G21C 19/44** (2013.01 - EP US); **Y02E 30/30** (2013.01 - EP); **Y02W 30/50** (2015.05 - EP US)

Cited by  
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DOCDB simple family (publication)  
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